



**Migration From
MILS**

USTRANSCOM

Draft Plan For

Migration from the MILS

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Organize and Manage the Migration Process

Migration From MILS

- USTRANSCOM fully supports this movement away from the functionally constraining and technologically obsolete, rigid, fixed length MILS formats
- However, we also think the requirement to use DLMS ANSI ASC X12 or equivalent XML schema for all DOD business processes is equally as constraining and will become equally obsolete
 - We recognize the utility of standard formats when each transaction instance will be exchanged multiple times between multiple activities, and our policy and procedure recommendations will provide for such formats
 - But when there are unique data requirements between two trading partners, they should be able to negotiate the most efficient communication means and format available at the time



Organize and Manage the Migration Process

Migration From MILS

- USTRANSCOM is successfully implementing, data standards developed from a centrally managed corporate logical data model (USTRANSCOM Master Model (MM))
- The MM and its implementation within USTRANSCOM are in compliance with the DOD Net-Centric Data Management Policy
- Databases of and interfaces between USTRANSCOM Systems are required to comply with the MM
- Our proposed policy and procedure changes support continued use of X12 EDI, but require the use of Master Model compliant XML rather than "X12 equivalent XML"
- We see the wisdom in using our engineered XML schemas, and we request the managers of this OSD initiative support our efforts
- Adoption of DTEB X12 EDI and MM compliant XML standards will require translation between them, and we also request the initiative managers support DISA or the appropriate Net-Centric activity in providing the necessary translation



Technical and Functional Approach

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- The USTRANSCOM Corporate Data Office (CDO) is converting the identified MILS 80 card column records to MM Compliant XML Schemas that are Worldwide Web Consortium (W3C) compliant as specified in the Joint Technical Architecture (JTA)
- The Defense Transportation Electronic Business (DTEB) Committee is sponsoring refinement of Transportation X12 EDI implementation conventions to support the migration from MILS formats
- We are requesting that the appropriate DISA/Net-Centric capability provide translation between X12 EDI and USTRANSCOM Master Model compliant XML Schema in time for our implementation
- We have issued a data call to USTRANSCOM funded/controlled AIS program managers to obtain proposed cost and schedule
- We are encouraging the rest of the defense transportation



Major Actions and Milestones

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- **Baseline Proof of Concept:** The baseline proof of concept will convert the Tables in Appendix M of DTR Part II that make up the Transportation Control and Movement Document (TCMD) transaction formats - Estimated Completion Date: Jun 2004 (includes coordination and validation process)
- **Follow-on transition actions:** The following MILS transactions will be evaluated for conversion from MILS formats to XML and EDI during the calendar 2004 time period:
 - Bill-of-Lading, Consolidation and Manifesting Transaction Instruction Tables in Chapter 203 of DTR Part II (and as used in other DTR Parts)
 - In Transit Data Reporting Transaction Instruction Tables in Appendix W to DTR Part II
 - Unique Transaction Instruction Tables in Interface Requirements Design Documents (IRDD) between Defense Transportation System (DTS) AISs



Major Actions and Milestones

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- Determine Impact of migration decisions made by other functional communities (Supply, Financial)
- Determine the impact of UID on the transportation community
- Determine the degree of cooperation of non-USTRANSCOM managed transportation systems (TC AIMS II, CMOS, FACTS), and the resulting impact
- Determine the capability of the appropriate DISA/Net-Centric capability to provide translation between DTEB X12 EDI and USTRANSCOM Master Model complaint XML Schemas at a reasonable cost, and the resulting impact
- Determine the cost and schedule for implementation in USTRANSCOM controlled systems
- Establish milestones for migration implementation



Approach to Minimizing Risks and Costs

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- USTRANSCOM J6, CDO, as program Manager, will carefully control the allocation of functional, financial, and technical resources devoted to the migration. Development progress may be limited by the availability of financial resources. Completion risk will be managed by the allocation of resources and the measurement of progress through the program review process. Specific actions include:

- Close coordination to minimize the negative impact of MILS migration on all interfacing systems, both inside of and outside of USTRANSCOM control and the transportation functional community
- Close coordination to assure highly efficient open system translation between standards at the strategic and tactical levels
- Close coordination to determine the most efficient



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